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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/748,886 Confirmation No. 1408  
Applicant : N. KASAKO et al  
Filed : December 30, 2003  
Title : REMOTE STORAGE DISK CONTROL DEVICE AND METHOD  
FOR CONTROLLING THE SAME  
TC/AU : 2187  
Examiner : G. Ankur  
Docket No. : H-1215  
Customer No.: 24956

Commissioner for Patents  
Mail Stop DD  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT (IDS)**  
**UNDER § 1.97 AND § 1.98**

Sir:

1. This IDS should be considered:

(a) when filed within three months of the filing date of the present application, or within three months of the filing date of the National Stage as set forth in § 1.491 in an international application, or before the mailing date of a first Office Action on the merits, whichever occurs last;

(b) when filed before the mailing date of either a Final Rejection under § 1.113 or a Notice of Allowance under § 1.311, whichever occurs first and when 1(a) does not apply. For this purpose, there is included herein either a certification in section 4 below (included when indicated by a marked box), or a fee of \$180.00 (a Credit Card Payment Form in the amount of \$180.00 is enclosed, or if not see section 5 below);

(c) when filed prior to the payment of the Issue Fee, when 1(a)-(b) do not apply, and when a certification is included in section 4 below (included when indicated by a marked box); then the Applicant(s) hereby petition(s) and request(s) consideration of this IDS, and provided herewith is a fee of \$180.00 (a Credit Card

Payment Form in the amount of \$180.00 to cover the petition fee, or if not see section 5 below).

2. When 1(a)-(c) do not apply, then it is requested that this IDS be placed in the file.

3. Listing of the information submitted is on the attached Form PTO-1449, which forms a part of this IDS. A copy of each listed document is enclosed when needed.

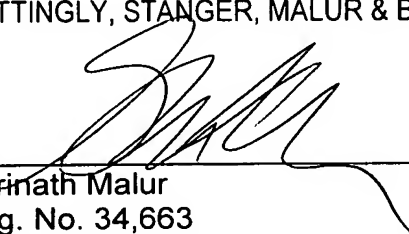
4. If a fee or additional fee is required, the Commissioner is hereby authorized to charge any fee or additional fee that may be required and credit any excess to Deposit Account No. 50-1417.

5. No explanation of relevancy is being provided for the following document(s) because each is either in the English language, discussed in the present Specification, or its relevance is as stated in a communication from a foreign patent office in a counterpart foreign application.

6. If the PTO determines that part(s) of the required content is inadvertently omitted, then it is requested that the Applicant(s) be given additional time and specific identification of such omission(s) to enable full compliance.

Respectfully submitted,

MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.

By   
Shrinath Malur  
Reg. No. 34,663  
(703) 684-1120

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|---|--|--|----------------------------|----------------------------------|--------------------------|---|
| FORM PTO-1449<br>(REV. 7-80)  |  | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE |                            | ATTY. DOCKET NO.<br>H-1215       | SERIAL NO.<br>10/748,886 |   |
| <b>LIST OF DOCUMENTS CITED BY APPLICANT</b><br><i>(Use several sheets if necessary)</i> |  |  |                            | APPLICANT<br>N. KASAKO et al     |                          |   |
|   |  |  |                            | FILING DATE<br>December 30, 2003 |                          | GROUP<br>2187                                     |
| <b>U.S. PATENT DOCUMENTS</b>  |  |  |                            |                                  |                          |   |
| * EXAMINER<br>INITIAL   | DOCUMENT   | DATE   | NAME                       | CLASS                            | SUBCLASS                 | FILING DATE<br><i>(If Appropriate)</i>            |
| AA  | 5,974,563  | 10/26/99   | Beeler                     |                                  |                          |   |
| AB  | 2003/<br>0084075   | 05/01/03   | Balogh et al               |                                  |                          |   |
| AC  | 5,799,323  | 08/25/98   | Mosher et al               |                                  |                          |   |
| AD  | 2001/<br>0029570   | 10/11/01   | Yamamoto et al             |                                  |                          |   |
| AE  | 5,555,371  | 09/10/96   | Duyanovich et al           |                                  |                          |   |
| AF  | 6,052,758  | 04/18/00   | Crockett et al             |                                  |                          |   |
| AG  | 6,148,383  | 11/14/00   | Micka et al                |                                  |                          |   |
| AH  | 6,463,501  | 10/08/02   | Kern et al                 |                                  |                          |   |
| AI  | 6,560,617  | 05/06/03   | Winger et al               |                                  |                          |   |
| AJ  | 5,734,818  | 03/31/98   | Kern et al                 |                                  |                          |   |
| AK  | 5,835,953  | 11/10/98   | Ohran                      |                                  |                          |   |
| <b>FOREIGN PATENT DOCUMENTS</b>   |  |  |                            |                                  |                          |   |
|   | DOCUMENT   | DATE   | COUNTRY                    | CLASS                            | SUBCLASS                 | TRANSLATION<br>YES NO                             |
| AL  | 1283469  | 02/12/03   | EP                         |                                  |                          | <input type="checkbox"/> <input type="checkbox"/> |
| AM  | 07-191811  | 07/28/95   | JP (with English Abstract) |                                  |                          | <input type="checkbox"/> <input type="checkbox"/> |
| AN  | 02-037418  | 02/07/90   | JP (with English Abstract) |                                  |                          | <input type="checkbox"/> <input type="checkbox"/> |
| AO  | 62-274448  | 11/28/87   | JP (with English Abstract) |                                  |                          | <input type="checkbox"/> <input type="checkbox"/> |
| AP  | 0902370  | 03/17/99   | EP                         |                                  |                          | <input type="checkbox"/> <input type="checkbox"/> |
| <b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>           |  |  |                            |                                  |                          |   |
| AR  | Lyon, "Tandem's Remote Data Facility", IEEE, Feb-March 1990, |  |                            |                                  |                          |   |
|   | pp. 562-567.   |  |                            |                                  |                          |   |
| AS  |  |  |                            |                                  |                          |   |
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| * EXAMINER<br>INITIAL   |    | DOCUMENT   | DATE     | NAME                             | CLASS                    | SUBCLASS      | FILING DATE<br><i>(If Appropriate)</i>            |
|   | AA | 6,598,134  | 07/2003  | Ofek et al                       |                          |               |   |
|   | AB | 5,682,513  | 10/1997  | Candelaria et al                 |                          |               |   |
|   | AC | 2003/<br>0074600   | 04/2003  | Tamatsu                          |                          |               |   |
|   | AD | 2004/<br>0117344   | 06/2004  | Yang                             |                          |               |   |
|   | AE | 5,555,371  | 09/1996  | Duyanovich et al                 |                          |               |   |
|   | AF | 6,496,908  | 12/17/02 | Kamvysselis et al                |                          |               |   |
|   | AG | 6,467,034  | 10/15/02 | Yanaka                           |                          |               |   |
|   | AH | 6,622,152  | 09/16/03 | Sinn et al                       |                          |               |   |
|   | AI | 2003/<br>0074378   | 04/17/03 | Midgley et al                    |                          |               |   |
|   | AJ | 2003/<br>0074600   | 04/17/03 | Tamatsu et al                    |                          |               |   |
|   | AK | 6,526,487  | 02/25/03 | Ohran et al                      |                          |               |   |
| <b>FOREIGN PATENT DOCUMENTS</b>   |    |  |          |                                  |                          |               |   |
|   |    | DOCUMENT   | DATE     | COUNTRY                          | CLASS                    | SUBCLASS      | TRANSLATION<br>YES NO                             |
|   | AL | 7-244597   | 09/19/95 | JP (with English Abstract)       |                          |               | <input type="checkbox"/> <input type="checkbox"/> |
|   | AM |  |          |                                  |                          |               | <input type="checkbox"/> <input type="checkbox"/> |
|   | AN |  |          |                                  |                          |               | <input type="checkbox"/> <input type="checkbox"/> |
|   | AO |  |          |                                  |                          |               | <input type="checkbox"/> <input type="checkbox"/> |
|   | AP |  |          |                                  |                          |               | <input type="checkbox"/> <input type="checkbox"/> |
| <b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>   |    |  |          |                                  |                          |               |   |
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|   |  | FILING DATE<br>December 30, 2003 | GROUP<br>2187            |

## U.S. PATENT DOCUMENTS

| * EXAMINER<br>INITIAL |    | DOCUMENT         | DATE     | NAME            | CLASS | SUBCLASS | FILING DATE<br>(If Appropriate) |
|-----------------------|----|------------------|----------|-----------------|-------|----------|---------------------------------|
|                       | AA | 2003/<br>0014432 | 01/16/03 | Teloh et al     |       |          |                                 |
|                       | AB | 6,487,645        | 11/26/02 | Clark et al     |       |          |                                 |
|                       | AC | 6,460,055        | 10/01/02 | Midgley et al   |       |          |                                 |
|                       | AD | 2002/<br>133511  | 09/19/02 | Hostetter et al |       |          |                                 |
|                       | AE | 6,442,706        | 08/27/02 | Wahl et al      |       |          |                                 |
|                       | AF | 6,408,370        | 06/18/02 | Yamamoto et al  |       |          |                                 |
|                       | AG | 6,397,307        | 05/28/02 | Ohran           |       |          |                                 |
|                       | AH | 6,393,538        | 05/21/02 | Murayama        |       |          |                                 |
|                       | AI | 2003/<br>0014433 | 01/16/02 | Teloh et al     |       |          |                                 |
|                       | AJ | 6,308,283        | 10/23/01 | Galipeau        |       |          |                                 |
|                       | AK | 6,282,610        | 08/28/01 | Bergsten        |       |          |                                 |

## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION              |                          |
|--|----|----------|------|---------|-------|----------|--------------------------|--------------------------|
|  |    |          |      |         |       |          | YES                      | NO                       |
|  | AL |          |      |         |       |          | <input type="checkbox"/> | <input type="checkbox"/> |
|  | AM |          |      |         |       |          | <input type="checkbox"/> | <input type="checkbox"/> |
|  | AN |          |      |         |       |          | <input type="checkbox"/> | <input type="checkbox"/> |
|  | AO |          |      |         |       |          | <input type="checkbox"/> | <input type="checkbox"/> |
|  | AP |          |      |         |       |          | <input type="checkbox"/> | <input type="checkbox"/> |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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| * EXAMINER<br>INITIAL   |    | DOCUMENT   | DATE     | NAME                             | CLASS                    | SUBCLASS      | FILING DATE<br><i>(If Appropriate)</i>            |
|   | AA | 6,178,427  | 01/23/01 | Parker                           |                          |               |   |
|   | AB | 5,974,563  | 10/26/99 | Beeler                           |                          |               |   |
|   | AC | 6,477,627  | 11/05/02 | Ofek                             |                          |               |   |
|   | AD | 6,393,538  | 05/21/02 | Murayama                         |                          |               |   |
|   | AE | 6,363,462  | 03/26/02 | Bergsten                         |                          |               |   |
|   | AF | 6,360,306  | 03/19/02 | Bergsten                         |                          |               |   |
|   | AG | 6,324,654  | 11/27/01 | Wahl et al                       |                          |               |   |
|   | AH | 6,173,377  | 01/09/01 | Yanai et al                      |                          |               |   |
|   | AI | 6,157,991  | 12/05/00 | Dan Amon                         |                          |               |   |
|   | AJ | 6,092,066  | 07/18/00 | Ofek                             |                          |               |   |
|   | AK | 6,044,444  | 03/28/00 | Ofek                             |                          |               |   |
| <b>FOREIGN PATENT DOCUMENTS</b>   |    |  |          |                                  |                          |               |   |
|   |    | DOCUMENT   | DATE     | COUNTRY                          | CLASS                    | SUBCLASS      | TRANSLATION<br>YES    NO                          |
|   | AL |  |          |                                  |                          |               | <input type="checkbox"/> <input type="checkbox"/> |
|   | AM |  |          |                                  |                          |               | <input type="checkbox"/> <input type="checkbox"/> |
|   | AN |  |          |                                  |                          |               | <input type="checkbox"/> <input type="checkbox"/> |
|   | AO |  |          |                                  |                          |               | <input type="checkbox"/> <input type="checkbox"/> |
|   | AP |  |          |                                  |                          |               | <input type="checkbox"/> <input type="checkbox"/> |
| <b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, etc.)</i>  |    |  |          |                                  |                          |               |   |
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**U.S. PATENT DOCUMENTS**

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|-----------------------|----------|-----------|----------|-----------------|----------|---------------------------------|
|                       | AA       | 5,933,653 | 08/03/99 | Ofek            |          |                                 |
|                       | AB       | 5,901,327 | 05/04/99 | Ofek            |          |                                 |
|                       | AC       | 5,742,792 | 04/21/98 | Yanai et al     |          |                                 |
|                       | AD       | 5,734,818 | 03/31/98 | Kern et al      |          |                                 |
|                       | AE       | 5,720,029 | 02/17/98 | Kern et al      |          |                                 |
|                       | AF       | 5,544,347 | 08/06/96 | Yanai et al     |          |                                 |
|                       | AG       | 5,379,418 | 01/03/95 | Shimazaki et al |          |                                 |
|                       | AH       | 5,307,481 | 04/26/04 | Shimazaki et al |          |                                 |
|                       | AI       | 5,170,480 | 12/08/92 | Mohan et al     |          |                                 |
|                       | AJ       | 6,446,176 | 09/03/02 | West et al      |          |                                 |
|                       | AK       | 5,734,818 | 03/31/98 | Kern et al      |          |                                 |

**FOREIGN PATENT DOCUMENTS**

| DOCUMENT | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION              |                          |
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| AP       |      |         |       |          | <input type="checkbox"/> | <input type="checkbox"/> |

**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, etc.)*

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